

Bellaterra: 14th May, 2019

File: **19/19713-933 Part 2**

Petitioner's reference: **ARKTURA BV**
Scheepsbouwweg 8
D11 3089JW Rotterdam South
Holland



CLASSIFICATION REPORT

1. – PRODUCT CHARACTERISTICS

Product trade name: SoftSound PET (polyethylene terephthalate)

It is a non-woven rigid textile board that is made from recycled PET plastic, with thickness of 12 mm, superficial density of 2300 g/m² and felt appearance.

Visual inspection done by the laboratory: beige insulating plate (thickness of 14 mm).

Fixing system: The sample was applied to the standard substrate (Calcium silicate according to UNE-EN 13238:2011).

Manufacturer: Arktura BV, Scheepsbouwweg 8, D11 3089JW Rotterdam South Holland.

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2. - CLASSIFICATION AND DIRECT APPLICATION FIELD

This classification has been made in compliance with the procedures provided in Standard UNE-EN 13501-1:2007+A1:2010: "Fire classification of construction products and building elements. Part 1: Classification using data from reaction to fire tests".

2.1. – Test report

Name of the Laboratory	Applus – LGAI
Name of the Petitioner	ARKTURA BV
Test Report Number	19/19713-933 Part 1
Testing method	UNE-EN ISO 11925-2:2011 UNE-EN 13823:2012+A1:2016

2.2. – Test results

Testing method	RESULTS – SoftSound PET (polyethylene tetrephthalate)			
	CRITERIA CLASS B	Nº OF TESTS	AVERAGE	COMPLIANCE
UNE-EN ISO 11925-2:2011	$F_s \leq 150$ mm en 60 s	12	$F_s < 150$ mm	YES
	Paper inflammation		NO	YES
UNE-EN 13823:2012 +A1:2016	$FIGRA_{0,2 MJ} \leq 120$ W/s	3	6.32	YES
	LFS < edge of sample	3	< to edge	YES
	$THR_{600s} \leq 7,5$ MJ	3	0.26	YES
	CRITERIA subclass 's1'	Nº OF TESTS	AVERAGE	COMPLIANCE
	$SMOGRA \leq 30$ m ² /s ²	3	2.79	YES
	$TSP_{600s} \leq 50$ m ²	3	27.81	YES
	CRITERIA subclass 'd0'	Nº OF TESTS	AVERAGE	COMPLIANCE
	Fall of droplets/particles in flames within 600s	3	NO	YES

CLASSIFICATION

With regard to its behaviour when reacting to fire, the product SoftSound PET (polyethylene terephthalate) is classified as follows:

Behaviour to fire		Smoke production				Droplets in flames	
B	-	s	1	,	d	0	

Fire reaction classification: B-s1,d0
This classification is only valid for the final conditions of use described in the present report.

2.3. – Field of application

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown.

- This classification is valid for following final conditions of use:

The product is intended to be used as acoustic and decorative application. It can be used in a variety of wall and ceiling applications.

2.4. - Restrictions

This classification standard should not be construed as a standard approval or certification of the product.

Responsible of the Fire Laboratory
 LGAI Technological Center S.A. (APPLUS)

Responsible Technician of Reaction to Fire
 LGAI Technological Center S.A. (APPLUS)

The results refer exclusively to the samples tested at the time and under the conditions indicated.

The uncertainties expressed in this document pertain to the expanded uncertainty, which has been obtained by multiplying the typical measurement uncertainty by the coverage factor k=2 which, for a regular distribution, corresponds to a coverage probability of approximately 95%.

Applus+ guarantees that this task has been carried out in compliance with the requirements of our Quality and Sustainability System, and furthermore, that the contractual terms and legal regulations have been complied with.

In the framework of our improvement programme, we would appreciate any comments you may deem appropriate. These should be addressed to the manager who signs this document, or to the Quality Director of Applus+, at the following address: satisfaccion.cliente@applus.com
